



USPTO

[Subscribe \(Full Service\)](#) [Register \(Limited Service, Free\)](#) [Login](#)

 Search: [The ACM Digital Library](#) [The Guide](#)

 Searching within **The ACM Digital Library** with **Advanced Search**: (Title:intermediate and Title:language) (51 Found 20 of 11)
REFINE YOUR SEARCH

Search Results

Related SIGs

Related Conferences

▼ Refine by Keywords

Results 1 - 20 of 20

Sort by [relevance](#)

Discovered Terms

▼ Refine by People

[Names](#)
[Institutions](#)
[Authors](#)

▼ Refine by Publications

[Publication Year](#)
[Publication Names](#)
[ACM Publications](#)
[All Publications](#)
[Content Formats](#)
[Publishers](#)

▼ Refine by Conferences

[Sponsors](#)
[Events](#)
[Proceeding Series](#)
[Save results to a Binder](#)

- 1 [Representing Java classes in a typed intermediate language](#)
 Christopher League, Zhong Shao, Valery Trifonov
 September 1999 **ICFP '99: Proceedings of the fourth ACM SIGPLAN international conference on programming**

Publisher: ACM [Request Permissions](#)Full text available: [Pdf](#) (1.81 MB)[Additional Information: full citation, abstract, references, cit](#)**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 27, Downloads (Overall): 2f

We propose a conservative extension of the polymorphic lambda calculus ($\lambda^{\text{P}\omega}$) as language for compiling languages with name-based class and interface hierarchies. C standard $\lambda^{\text{P}\omega}$: ...

Also published in:

September 1999 **SIGPLAN Notices** Volume 34 Issue 9

- 2 [An intermediate language for source and target independent code optimization](#)

[Dennis J. Frailey](#)August 1979 **SIGPLAN '79: Proceedings of the 1979 SIGPLAN symposium on Compiler c****Publisher:** ACMFull text available: [Pdf](#) (864.12 KB)[Additional Information: full citation, abstract, references, cit](#)**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 18, Downloads (Overall): 2f

This paper describes an intermediate language to be generated by a syntax analyzer generator. An (essentially) optional code optimization phase may be used before cod language is designed to exclude source and ...

Also published in:

August 1979 **SIGPLAN Notices** Volume 14 Issue 8

- 3 [FLIC—a functional language intermediate code](#)

[S. L. Peyton Jones](#)August 1988 **SIGPLAN Notices**, Volume 23 Issue 8**Publisher:** ACMFull text available: [Pdf](#) (1.19 MB)[Additional Information: full citation, abstract, references, cit](#)**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 13, Downloads (Overall): 4f

FLIC is a Functional Language Intermediate Code, intended to provide a common int between diverse implementations of functional languages, including parallel ones. Th definition of FLIC's syntax and semantics, ...

- 4 [A comparison of PASCAL intermediate languages](#)

[Philip A. Nelson](#)August 1979 **SIGPLAN '79: Proceedings of the 1979 SIGPLAN symposium on Compiler c****Publisher:** ACM**ADVANCED SEARCH**[Advanced Search](#)**FEEDBACK**
[Please provide us with feedback](#)

Found 20 of 11


Full text available:  Pdf (380.92 KB)

Additional Information: full citation, abstract, references, cit


Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 24, Downloads (Overall): 27

PASCAL P-code is an aid when transporting PASCAL to new machines and environments using P-code may modify the P-code. This modification process may require some care, but this effort may be eliminated by looking at previous ...

Also published in:

August 1979 **SIGPLAN Notices** Volume 14 Issue 8**5** [An intermediate language for vector processors](#) Abbas S. Youssefi, D. E. StevensonApril 1990 **ACM-SE 28**: Proceedings of the 28th annual Southeast regional conference**Publisher:** ACM  [Request Permissions](#)

Additional Information: full citation, index terms

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall):**6** [Direct microprogrammed execution of the intermediate text from a high-level language](#) Francois Robert Broca, Richard E. Merwin

August 1974 Proceedings of the meeting on SIGPLAN/SIGMICRO interface



Publisher: ACMFull text available:  Pdf (654.98 KB)

Additional Information: full citation, abstract, references, cit


Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 6, Downloads (Overall): 86,

Microprogramming commonly executed operations can improve the computational speed of systems. This paper describes how microprogramming may be used to execute direct operations generated by a high-level language compiler ...

Also published in:

August 1974 **SIGPLAN Notices** Volume 9 Issue 8**7** [P-TAC: a parallel intermediate language](#) Zena Ariola, ArvindNovember 1989 **FPCA '89**: Proceedings of the fourth international conference on Functional languages and computer architecture**Publisher:** ACM  [Request Permissions](#)Full text available:  Pdf (1.47 MB)

Additional Information: full citation, references, cited by, inc


Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 26, Downloads (Overall): 14**8** [Transforming the .NET intermediate language using path logic programming](#) Stephen Drape, Oege de Moor, Ganesh SittampalamOctober 2002 **PPDP '02**: Proceedings of the 4th ACM SIGPLAN international conference on Principles of declarative programming**Publisher:** ACM  [Request Permissions](#)Full text available:  Pdf (251.91 KB)

Additional Information: full citation, abstract, references, cit

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 16, Downloads (Overall): 24



Path logic programming is a modest extension of Prolog for the specification of programs. We give an informal introduction to this extension, and we show how it can be used in compiler optimisations, and also a number of ...

Keywords: compiler optimisations, logic programming, meta programming, obfuscated code, program transformation

9 Typing a multi-language intermediate code Andrew D. Gordon, Don SymeJanuary 2001 **POPL '01**: Proceedings of the 28th ACM SIGPLAN-SIGACT symposium on programming languages**Publisher:** ACM  [Request Permissions](#)Full text available:  [Pdf](#) (257.05 KB)**Additional Information:** [full citation](#), [abstract](#), [references](#), [cite](#)**Bibliometrics:** Downloads (6 Weeks): 10, Downloads (12 Months): 75, Downloads (Overall): (



The Microsoft .NET Framework is a new computing architecture designed to support applications and web-based services. .NET software components are typically distributed in an intermediate language, Microsoft IL, ...

Also published in:

March 2001 **SIGPLAN Notices** Volume 36 Issue 3**10** Implementing typed intermediate languages Zhong Shao, Christopher League, Stefan MonnierJanuary 1999 **ICFP '98**: Proceedings of the third ACM SIGPLAN international conference on programming**Publisher:** ACM  [Request Permissions](#)Full text available:  [Pdf](#) (1.50 MB)**Additional Information:** [full citation](#), [abstract](#), [references](#), [cite](#)**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 26, Downloads (Overall): 27


Recent advances in compiler technology have demonstrated the benefits of using strict languages to compile richly typed source languages (e.g., ML). A type-preserving compiler guide advanced optimizations and to ...

Also published in:

January 1999 **SIGPLAN Notices** Volume 34 Issue 1**11** An aspect-oriented infrastructure for a typed, stack-based, intermediate assembly Douglas R. DechowNovember 2002 **OOPSLA '02**: Companion of the 17th annual ACM SIGPLAN conference on programming, systems, languages, and applications**Publisher:** ACM  [Request Permissions](#)Full text available:  [Pdf](#) (162.00 KB)**Additional Information:** [full citation](#), [abstract](#), [references](#)**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 18, Downloads (Overall): 20

While traditional, one-dimensional approaches to the problem of separation of concerns for current software development, they are often brittle and resistant to evolutionary changes. Aspect-orientation offers a controllable, ...

Keywords: aspect weaver, aspect-oriented programming, aspects, common intermediate compile-time, components, ecological modeling, preprocessors, runtime, separation of concerns

12 A single intermediate language that supports multiple implementations of exceptions Norman Ramsey, Simon Peyton JonesAugust 2000 **PLDI '00**: Proceedings of the ACM SIGPLAN 2000 conference on Programming language design and implementation**Publisher:** ACM  [Request Permissions](#)Full text available:  [Pdf](#) (900.75 KB)**Additional Information:** [full citation](#), [abstract](#), [references](#), [cite](#)**Bibliometrics:** Downloads (6 Weeks): 11, Downloads (12 Months): 44, Downloads (Overall): (


We present mechanisms that enable our compiler-target language, C--, to express for

techniques for implementing exceptions, all within a single, uniform framework. We c
precisely, using a formal operational semantics. ...

Also published in:


May 2000 **SIGPLAN Notices** Volume 35 Issue 5

13 [An intermediate systems language for the PDP-11](#)

 Peter Karasz

July 1977 **SIGPLAN Notices**, Volume 12 Issue 7

Publisher: ACM


Full text available:  Pdf (1.23 MB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 7, Downloads (Overall): 53,


In this paper we describe Version 2 of Intermediate Systems Language (ISL/V2), a g
implementation language developed at the B. F. Goodrich Company. The particular in
discuss here is for the PDP-11 family of minicomputers ...

14 [Direct microprogrammed execution of the intermediate text from a high-level lang](#)

 Francois Robert Broca, Richard E. Merwin

August 1973 **ACM'73: Proceedings of the annual conference**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (521.76 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citi](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 5, Downloads (Overall): 68,

Microprogramming commonly executed operations can improve the computational sp
systems. This paper describes how microprogramming may be used to execute direct
generated by a high-level language compiler ...

15 [The direct execution of intermediate languages on an Eclipse computer](#)

 R. E. M. Cooper

March 1980 **SIGMICRO Newsletter**, Volume 11 Issue 1

Publisher: ACM


Full text available:  Pdf (332.48 KB)

Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 10, Downloads (Overall): 35


The use of intermediate languages as a convenient means of developing portable hig
compilers, appears to be growing. With this approach, the compiler for language A (v
language A) compiles the source code into an ...

16 [Intermediate language for minicomputer cross-compilation](#)

 Joseph K. Speetjens

April 1976 **ACM-SE 14: Proceedings of the 14th annual Southeast regional conference**

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (266.11 KB)

Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 9, Downloads (Overall): 87,

With the increasing use of minicomputers, the concept of cross-compilation (source p
one machine which in turn outputs object code for another machine) has become pop
examines the use of an intermediate language, a ...

17 [An intermediate design language and its analysis](#)

 Daniel Jackson


November 1998 **SIGSOFT '98/ FSE-6: Proceedings of the 6th ACM SIGSOFT international
Foundations of software engineering**

Publisher: ACM  [Request Permissions](#)



Full text available:  Pdf (901.37 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [cit](#)**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 17, Downloads (Overall): 8

A simple relational language is presented that has two desirable properties. First, it is to encode, fairly naturally, a variety of software design problems. Second, it is amenable to analysis. This paper explains ...

Also published in:

November 1998 **SIGSOFT Software Engineering Notes** Volume 23 Issue 6**18** [Refined types: highly differentiated type systems and their use in the design of in](#) J. R. Rose
July 1988**PLDI '88:** Proceedings of the ACM SIGPLAN 1988 conference on Programm
Implementation**Publisher:** ACM  [Request Permissions](#)Full text available:  Pdf (1.23 MB)Additional Information: [full citation](#), [references](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 17, Downloads (Overall): 1

Also published in:


July 1988 **SIGPLAN Notices** Volume 23 Issue 7**19** [The Mahler experience: using an intermediate language as the machine descript](#) David W. Wall, Michael L. Powell
November 1987**ASPLOS-11:** Proceedings of the second international conference on Arch
programming languages and operating systems**Publisher:** ACMFull text available:  Pdf (618.75 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [cit](#)**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 22, Downloads (Overall): 2

Division of a compiler into a front end and a back end that communicate via an inter
well-known technique. We go farther and use the intermediate language as the offici
of machines with simple instruction ...

Also published in:

October 1987 **SIGPLAN Notices** Volume 22 Issue 10October 1987 **SIGOPS Operating Systems Review** Volume 21 Issue 4November 1987 **SIGARCH Computer Architecture News** Volume 15 Issue 5**20** [A functional intermediate form for diverse source languages](#)

David V. Mason

November 1996 **CASCON '96:** Proceedings of the 1996 conference of the Centre for Adv
Collaborative research**Publisher:** IBM PressFull text available:  Pdf (215.24 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [in](#)**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 10, Downloads (Overall): 1

This paper describes the use of WatIF, a simple compiler intermediate form based on
writing compiler front-ends for a wide range of programming languages. Somewhat s
forms have been previously used for single-language ...

Useful downloads:  Adobe Acrobat  QuickTime  Windows Media Player  Real Player